

875—73.13(89A) Wire ropes—hoisting, governor and tiller.

73.13(1) All hoisting and governor ropes, when replaced, shall have rope tags. The tags shall provide the following information:

- a. The diameter in inches.
- b. The manufacturer's rated breaking strength.
- c. The grade of material used.
- d. The month and year ropes were installed.
- e. Whether preformed or nonpreformed.
- f. Construction classification.
- g. Name of person or firm who installed ropes.
- h. Name of manufacturer of ropes.

73.13(2) Wire ropes on drum-type machines shall be resocketed in compliance with ASME A17.1 (1999) code.

73.13(3) Suspension ropes on drum-type machines shall have not less than one turn of the rope on the drum when the car is resting on the fully compressed buffers.

73.13(4) Winding drum machines shall not be used unless they are provided with not less than two hoisting ropes. Each counterweight stack shall be provided with not less than two ropes.

73.13(5) Tiller cables on cable-operated elevators shall be kept free of breaks.

73.13(6) On tiller-cable operations, the cable shall pass through a guiding or stopping device mounted on the car. The cable shall be provided with adjustable stop balls and be provided with means to lock and hold the car at a floor. Stop balls at top and bottom shall be adjusted to automatically stop the car. The tiller cable shall be completely enclosed in the hoistway.

73.13(7) All hoisting or counterweight ropes located outside of the hoistway that are exposed shall be covered with a box-type guard. The guard shall be not less than 6 feet high from floor level.

73.13(8) Hoisting, governor and tiller ropes shall not be lengthened or repaired by splicing.

73.13(9) Suspension means of chains other than a roller chain type shall not be allowed. Any elevator suspended by a roller chain type shall not be used for the carrying of passengers. EXCEPTION: Handicapped restricted use elevators.

73.13(10) Hoisting ropes for power elevators shall not be less than 3/8 inch in diameter.

73.13(11) Hoisting rope fastening means shall be of the socket and babbiting type. Clamps shall not be used.

73.13(12) Rope (cable) replacement. Hoisting, governor and tiller ropes shall be replaced when the ASME Inspection Manual for Electric Elevators A17.2.1 (1993), adopted here by reference, or later editions of the ASME A17.2.1 code, dictates they shall be changed.